

List of Research topics for 2012 2nd call

as of Sep. 3, 2012

No.	Research Area	Title of the research (Website for more information)	Name of Supervisor	Requirements for applicants: Master/ Ph.D. Student	Numbers of acceptance	Duration: 2-6 months (60-180 days incl. traveling days)	Comments
1. Principles of Informatics Research Division							
1	Principles of Informatics	Lambda-Calculus and Type Theory http://research.nii.ac.jp/~tatsuta/index-e.html	Professor Makoto Tatsuta	Master and Ph.D. student	1	2-6 months	It would be better to know lambda-calculus, type theory, or mathematical logic.
2	Data Structures	Advanced Data Structures http://researchmap.jp/sada	Assoc. Professor Kunihiro Sadakane	Ph.D. student	2	3-6 months	Basic knowledge of algorithms and data structures is required.
3	Quantum information	Quantum information using Bose-Einstein condensates (http://nii.timbyrnes.net/research/quantum-information-using-bose-einstein-condensates/)	Assist. Professor Timothy Byrnes	Any	5	2-6 months	
4	Quantum information technology	Simulation of exciton-polariton condensates for new quantum technologies (http://nii.timbyrnes.net/research/exciton-polariton-condensates-and-new-quantum-technologies/)	Assist. Professor Timothy Byrnes	Any	5	2-6 months	
5	Principles of Informatics	Semantic Web / Linked Data http://www-kasm.nii.ac.jp/~takeda/index.html	Professor Hideaki Takeda	Master and Ph. D students	3	3-6 months	
6	Principles of Informatics	Social Web / Social Network Analysis http://www-kasm.nii.ac.jp/~takeda/index.html	Professor Hideaki Takeda	Master and Ph. D students		3-6 months	
7	Principles of Informatics	Semantic Web for Academic Publication, Library and Museum http://www-kasm.nii.ac.jp/~takeda/index.html	Professor Hideaki Takeda	Master and Ph.D. students		3-6 months	
8	Numerical Linear Algebra	Iterative solution of least squares problems, systems of linear equations, ill-posed problems. (http://research.nii.ac.jp/~hayami/index-e.html)	Professor Ken Hayami	Master / Ph.D.	1	2-6 months	Basic knowledge of linear algebra and numerical analysis is required.
9	Inverse Problems	Solution of under-determined inverse problems and its applications. (http://research.nii.ac.jp/~hayami/index-e.html)	Professor Ken Hayami	Master / Ph.D.	1	2-6 months	Basic knowledge of linear algebra and numerical analysis is required.

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10	Knowledge Processing	Data mining methods for large scale data http://ri-www.nii.ac.jp/	Assoc. Professor Ryutaro Ichise	Master and Ph.D. students	3	3-6 months	
11	Knowledge Processing	Machine learning methods for semantic integration http://ri-www.nii.ac.jp/	Assoc. Professor Ryutaro Ichise	Master and Ph.D. students		3-6 months	
12	Knowledge Processing	Data integration methods for linked data http://ri-www.nii.ac.jp/	Assoc. Professor Ryutaro Ichise	Master and Ph.D. students		3-6 months	
13	Artificial Intelligence / Systems Biology / Systems Resilience	Inference and Learning for Systems Biology and Network Dynamics http://research.nii.ac.jp/il/	Professor Katsumi Inoue	Master or Ph.D. students	3	3-6 months	Basic knowledge of Artificial Intelligence, Bioinformatics or Network Science is required. Contact Prof. Inoue in advance.
14	Knowledge Representation / Automated Reasoning / Logic Programming	Answer Set Programming, Constraint Programming, and Satisfiability http://research.nii.ac.jp/il/	Professor Katsumi Inoue	Master or Ph.D. students		3-6 months	Basic knowledge of Logic and/or Computer Programming is required. Contact Prof. Inoue in advance.
15	Artificial Intelligence / Dynamic Modeling	Robustness Analysis of Dynamic Models http://systemsresilience.org/index-e.html	Professor Katsumi Inoue	Master or Ph.D. students		3-6 months	Basic knowledge of Artificial Intelligence is required. Contact Prof. Inoue in advance.
16	Multi-Agent Systems / Constraint Satisfaction	DCOP and DisCSP http://systemsresilience.org/index-e.html	Professor Katsumi Inoue	Master students		3-6 months	JAVA and basic knowledge of Artificial Intelligence are required. Contact Prof. Inoue in advance.
17	Intelligent robotics	Behavior Imitation on a Humanoid Robot http://web.iir.nii.ac.jp/lab/english/research/mimesis/	Assoc. Professor Tetsunari Inamura	Master or Ph.D.	2	3-6 months	Required skill: writing software in C++
18	Intelligent robotics	Integration of Robot Simulation and Social Agent Simulation http://www.sigverse.org/	Assoc. Professor Tetsunari Inamura	Master or Ph.D.		3-6 months	Required skill: writing software in C++

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19	Quantum computation and communication	Computer architecture for quantum information processing http://www.qis.ex.nii.ac.jp	Professor Kae Nemoto	Master / Ph.D Student	2	2-6 months	
20	Quantum computation and communication	Quantum devices http://www.qis.ex.nii.ac.jp	Professor Kae Nemoto	Master / Ph.D. Student		2-6 months	
21	Computational Linguistics	Implementing Natural Language Semantics with Functional Programming http://research.nii.ac.jp/~kanazawa/Courses/2011/Seminar/index.html	Assoc. Professor Makoto Kanazawa	Master's or Ph.D. student	2	3-6 months	This internship involves implementing in a functional programming language semantic rules for some fragments of English (and possibly other languages) that have recently been put forward by various researchers. Candidates should have rudimentary knowledge of natural language semantics, as found in, e.g., Heim and Kratzer's textbook. Previous experience with at least one programming language (not necessarily functional) is required.
22	acoustic signal processing	Source separation and localization based on asynchronous recordings http://research.nii.ac.jp/~onono/index-e.html	Assoc. Professor Nobutaka Ono	Master / Ph.D Student	2	2-6 months	Basic knowledge of signal processing and programming skill on Matlab are required.
23	acoustic signal processing	Spectrogram-based audio coding http://research.nii.ac.jp/~onono/index-e.html	Assoc. Professor Nobutaka Ono	Master / Ph.D Student		2-6 months	Basic knowledge of signal processing and programming skill on Matlab are required.

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24	Graph Theory, Logics	Definable Graph Decompositions	Professor Ken-ichi Kawarabayashi	PhD or Master student	1	2-6 months	profound knowledge in finite model theory and graph structure theory would be desirable.
2. Information Systems Architecture Science Research Division							
25	wireless networks	Resource management and QoS control in wireless networks http://research.nii.ac.jp/~kei/	Professor Yusheng Ji	Master or Ph.D. student	2*	3 or 6 months	Basic understanding on infrastructure-based and/or ad hoc wireless communication systems is expected
26	network architecture	New architecture for future networks http://research.nii.ac.jp/~kei/	Professor Yusheng Ji	Master or Ph.D. student	2*	3 or 6 months	Understanding on internet architecture and protocols is required
27	In-network processing	Implicit situation awareness of a wireless sensor network utilising channel quality estimations (https://klab.nii.ac.jp/~sigg/Implicit.pdf)	Professor Yusheng Ji	Master student or above	1*	4-6 months	contact: sigg@nii.ac.jp
28	Secure ad-hoc device pairing	Fuzzy cryptography for secure ad-hoc pairing of mobile devices (https://klab.nii.ac.jp/~sigg/Secure.pdf)	Professor Yusheng Ji	Master student or above	1*	4-6 months	contact: sigg@nii.ac.jp
29	In-network processing	Outsourcing mathematical operations in distributed processing to the wireless channel (https://klab.nii.ac.jp/~sigg/InNetwork.pdf)	Professor Yusheng Ji	Master student or above	1*	4-6 months	contact: sigg@nii.ac.jp
30	Functional Programming	Implementation of a Bidirectional Graph Transformation Library in Haskell (http://research.nii.ac.jp/~hu/project/intern.html)	Professor Zhenjiang Hu	Master/Ph.D. Student	4	2-6 months	
31	Software Engineering	Co-Evolution of Models and Codes using Bidirectional Transformation (http://research.nii.ac.jp/~hu/project/intern.html)	Professor Zhenjiang Hu	Master/Ph.D. Student		2-6 months	
32	Parallel Programming	Systematic Parallel Programming using Hadoop (http://research.nii.ac.jp/~hu/project/intern.html)	Professor Zhenjiang Hu	Master/Ph.D. Student		2-6 months	

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33	Parallel Programming	Parallel Tree/Graph Computation with MapReduce (http://research.nii.ac.jp/~hu/project/intern.html)	Professor Zhenjiang Hu	Master/Ph.D. Student		2-6 months	
34	Constraint Programming	Theory and Practice of Constraint Programming http://www.h.hosobe.org/internship	Assoc. Professor Hiroshi Hosobe	Master/Ph.D. students	2	3-6 months	
35	Bidirectional Transformations	Bidirectional Graph Transformations http://research.nii.ac.jp/~hidaka/internship	Assist. Professor Soichiro Hidaka	Master and Ph.D. Students	2	2-6 months	
36	Software	Self-organized approaches for distributed systems http://research.nii.ac.jp/~ichiro/	Professor Ichiro Satoh	Master and PhD. students	2	2-6 months	Java or Scala programming skills
37	Software	Distributed computing for large scale data http://research.nii.ac.jp/~ichiro/	Professor Ichiro Satoh	Master and PhD students	2	2-6 months	It would be better to have experiences with existing distributed data processing frameworks, e.g., MapReduce and NoSQL, because the project aims at extending these frameworks.
38	Wireless sensor network	Self-adaptive management of wireless sensor network applications (http://xac-project.jp/about/internship_e.html)	Assis. Professor Kenji Tei	Master or Ph.D. student	2	2-6 months	
39	Self-adaptive systems	Model-driven development for self-adaptive applications (http://xac-project.jp/about/internship_e.html)	Assis. Professor Kenji Tei	Master or Ph.D. student	2	2-6 months	
40	Computer network	Measurement and analysis of Internet traffic. http://www.fukuda-lab.org	Assoc. Professor Kensuke Fukuda	Ph.D. and Master	1	5-6 months	Solid programming skills in C, C++, or java

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41	Computer network	Large-scale simulation for Internet topology analysis. http://www.fukuda-lab.org	Assoc. Professor Kensuke Fukuda	Ph.D. and Master	1	5-6 months	Solid programming skills in C, C++, or java
42	Self-adaptive systems	Developing framework for self-adaptive system on quadrotor robots http://www.honiden.nii.ac.jp/en/research/self-adaptive-system	Professor Shinichi Honiden	Master or Ph.D. student	2	3-6 months	
43	Software model checking	Software model checking of network applications http://www.honiden.nii.ac.jp/en/research/software-model-checking-of-network-applications	Professor Shinichi Honiden	Master and Ph.D. students	1	3-6 months	
44	Cloud computing	Tool Development for Academic Intercloud on Scientific Information Network http://www.honiden.nii.ac.jp/en/recruit/call-for-internships	Professor Shinichi Honiden	Master and Ph.D. students	2	2-6 months	
45	Security	Security Software Engineering https://sse-project.org/confluence/display/SSE/CallForPosition	Assoc. Professor Nobukazu Yoshioka	Master/Pd.D.	1	3-6months	
3. Digital Content and Media Sciences Research Division							
46	computer vision	One of the following topics. -3D Scene reconstruction using RGBD sensor -Recognizing human activities from video - Scene categorization and event recognition for 3D scene modeling - Sensing and navigation of visual attention http://research.nii.ac.jp/~sugimoto/	Professor Akihiro Sugimoto	Master or PhD Students	3	Up to 6 months (at least 3 months; a longer period is better)	Rigorous background on mathematics is required. Programming skills on image processing and computer vision are also required. In the case of Master course students, highly motivated students who can stay for 6 months are preferable. Students who are willing to pursuit ph D at NII is preferable as well. Potential applicants can send your CV and research interests directly to Prof. Sugimoto before your application.

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47	discrete geometry	- Discretization model of geometric shape - Discrete shape fitting to noisy integer points	Professor Akihiro Sugimoto	PhD students only	1	Up to 6 months (at least 3 months)	Rigorous background on mathematics as well as computer vision is required. In particular, sufficient knowledge of linear algebra, graph theory and number theory are important requirements. Programming skills on image processing or computer vision are also required. Potential applicants can send your CV and research interests/proposals directly to Prof. Sugimoto before your application.
48	Natural Language Processing	Syntactic and Semantic Parsing http://www-tsujii.is.s.u-tokyo.ac.jp/enju/	Assoc. Professor Yusuke Miyao	Master or Ph.D Student	1	6 months	Fundamental knowledge about one of the following areas is required: 1. statistical parsing methods (e.g. PCFG parsing, dependency parsing), or 2. syntactic/semantic theory (e.g. HPSG, CCG, DRT, LCS)
49	content-based image and video analysis	video and image semantic analysis and classification (esp. TRECVID SIN task. see: http://www-nlpir.nist.gov/projects/trecvid/)	Professor Shin'ichi Satoh http://research.nii.ac.jp/~satoh	Master or Ph.D. (Ph.D. preferable)	5	more than 90 days	
50	content-based image and video analysis	identification of specific object in video and image (esp. TRECVID instance search. see: http://www-nlpir.nist.gov/projects/trecvid/)	Professor Shin'ichi Satoh http://research.nii.ac.jp/~satoh	Master or Ph.D. (Ph.D. preferable)		more than 90 days	
51	content-based image and video analysis	Event detection and action recognition (esp. TRECVID multimedia event detection task. see: http://www-nlpir.nist.gov/projects/trecvid/)	Professor Shin'ichi Satoh http://research.nii.ac.jp/~satoh	Master or Ph.D. (Ph.D. preferable)		more than 90 days	
52	content-based image and video analysis	Face Sequence Indexing and Matching for Broadcast Videos	Professor Shin'ichi Satoh http://research.nii.ac.jp/~satoh	Master or Ph.D. (Ph.D. preferable)		more than 90 days	

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53	Biological Image Analysis	Image processing and machine learning for biological imaging and neural activity analysis. http://agora.ex.nii.ac.jp/~kitamoto/education/internship/index.html.en	Assoc. Professor Asanobu Kitamoto	Master / Ph.D. (Ph.D. preferable)	2	3-6 months	Programming skill is required. An interdisciplinary topic, possibly working with domain experts.
54	Crisis Informatics	Event detection, natural language processing, and visualization for severe weather and natural disasters: http://agora.ex.nii.ac.jp/~kitamoto/education/internship/index.html.en	Assoc. Professor Asanobu Kitamoto	Master / Ph.D. (Ph.D. preferable)	2	3-6 months	Programming skill is required. An interdisciplinary topic, possibly working with domain experts.
55	Earth Environmental Informatics	Image processing, machine learning, and mobile computing for climate, agriculture, and biodiversity: http://agora.ex.nii.ac.jp/~kitamoto/education/internship/index.html.en	Assoc. Professor Asanobu Kitamoto	Master / Ph.D. (Ph.D. preferable)	2	3-6 months	Programming skill is required. An interdisciplinary topic, possibly working with domain experts.
56	Digital Humanities	3D CG modeling, Geographic information systems (GIS), Semantic Web, and multilingual processing for cultural heritage and museums: http://agora.ex.nii.ac.jp/~kitamoto/education/internship/index.html.en	Assoc. Professor Asanobu Kitamoto	Master / Ph.D. (Ph.D. preferable)	2	3-6 months	Programming skill is required. An interdisciplinary topic, possibly working with domain experts.
57	Interaction analysis	Understanding multi-party interaction and its application (http://research.nii.ac.jp/~bono/en/aboutus/internship.html)	Assist. Professor Mayumi Bono	Master and Ph.D. Students	1	2-6 months	

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58	Interaction analysis	Data collection and analysis of multimodal interaction (http://research.nii.ac.jp/~bono/en/aboutus/internship.html)	Assist. Professor Mayumi Bono	Master and Ph.D. Students	1	2-6 months	
59	Interaction analysis	Research on Sign language and its community (http://research.nii.ac.jp/~bono/en/aboutus/internship.html)	Assist. Professor Mayumi Bono	Master and Ph.D. Students	1	2-6 months	
60	Interaction analysis	The use of Telecommunication technologies (http://research.nii.ac.jp/~bono/en/aboutus/internship.html)	Assist. Professor Mayumi Bono	Master and Ph.D. Students	1	2-6 months	
61	signal processing	Inpainting for Depth-Image-Based Rendered Images (http://research.nii.ac.jp/~cheung/intern.html)	Assoc. Professor Gene Cheung	MS / Ph.D.	1	3-6 months	Computer programming skills in C / C++. Strong fundamentals in signal processing & optimization.
62	Content security	Fundamental techniques and systems for content security http://research.nii.ac.jp/~iechizen/official/research-e.html	Assoc. Professor Isao Echizen	Master / Ph.D. Student	3	3-6 months	
63	Content security	Privacy in business process http://research.nii.ac.jp/~iechizen/official/research-e.html http://research.nii.ac.jp/~iechizen/official/content_e_sven.html	Assoc. Professor Isao Echizen	Master / Ph.D. Student		3-6 months	
64	Database Programming Languages	Context-Preserving Graph Query Languages http://research.nii.ac.jp/~kato	Assist. Professor Hiroyuki Kato	Master/Ph.D. Student	1	2-6 months	

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65	Database Programming Languages	Incremental Graph Database View Maintenance http://research.nii.ac.jp/~kato	Assist. Professor Hiroyuki Kato	Master/Ph.D. Student	1	2-6 months	
66	Computer Vision and Computer Graphics	Computational Photography: Image-based rendering, Image processing, Color analysis, Spectral imaging http://research.nii.ac.jp/~imarik	Assoc. Professor Imari Sato	Master and Ph.D. Students	2	5-6 month	A basic knowledge of computer graphics and good programming skills are required
67	Services Computing, Cloud Computing, Software Engineering,	Exploring Functionality and Quality of Web Services/APIs http://research.nii.ac.jp/~f-ishikawa/internships/	Assoc. Professor Fuyuki Ishikawa	Master / Ph.D.	3	2-6 months	
68	Software Engineering, Formal Methods	Supporting Practical Usages of Formal Specifications http://research.nii.ac.jp/~f-ishikawa/internships/	Assoc. Professor Fuyuki Ishikawa	Master / Ph.D.		2-6 months	
69	Software Engineering, Requirements Engineering, Jurisprudence	Leveraging Software Engineering Techniques for Legal Analysis http://research.nii.ac.jp/~f-ishikawa/internships/	Assoc. Professor Fuyuki Ishikawa	Master / Ph.D.		2-6 months	

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70	3D Internet and Virtual Worlds (Foundations)	R&D in the foundations of networked massively multi-user 3D virtual environments, based on our original framework (DiVE) and Unity3D. Topics include prediction models, smoothness algorithms, and scaling techniques for large numbers of simultaneous users. http://www.prendingerlab.net/globallab/ (project website) https://www.facebook.com/NIIGlobalLab (Facebook website) http://research.nii.ac.jp/~prendinger/ (personal website)	Professor Helmut Prendinger	Master and Ph.D. students	No.69- No.73: 10 (total)	3-6 months	Solid programming background (e.g. C++ or C Sharp). Longer stay preferred for good result (some interesting software). Paper writing will be supported.
71	3D Internet and Virtual Worlds (Artificial Intelligence)	Application-oriented research based on 3D virtual environments (Unity3D), incl. "serious games" for practicing eco-friendly driving with multi-user driving simulator, disaster evacuation, smart cities, etc. Topics include machine learning for training "opponents", optimization techniques, and dynamic challenge balancing. http://www.prendingerlab.net/globallab/ (project website) https://www.facebook.com/NIIGlobalLab (Facebook website) http://research.nii.ac.jp/~prendinger/ (personal website)	Professor Helmut Prendinger	Master and Ph.D. students		3-6 months	Solid programming background (e.g. C++ or C Sharp). Knowledge of Unity3D is desirable, but not necessary. Longer stay preferred for good result (some interesting software). Paper writing will be supported.
72	Artificial Intelligence based Content Creation for the 3D Internet	Implementation of Artificial Intelligence techniques for automated content creation in 3D virtual worlds. Topics include traffic simulation, pedestrian simulation, dialogue generation, multi-agent systems, verbal and non-verbal behavior of embodied animated agents, and narrative control. http://www.prendingerlab.net/globallab (project website) https://www.facebook.com/NIIGlobalLab (Facebook website) http://research.nii.ac.jp/~prendinger/ (personal website)	Professor Helmut Prendinger	Master and Ph.D. students		3-6 months	Solid programming background (e.g. C++ or C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be supported.

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73	Data mining of human driving behavior data	Analysis of large-scale data collected from our studies on eco-driving, disaster evacuation, traffic congestion, etc http://www.prendingerlab.net/globalab/ (project website) https://www.facebook.com/NIIGlobalLab (Facebook website) http://research.nii.ac.jp/~prendinger/ (personal website)	Professor Helmut Prendinger	Master and Ph.D. students		3-6 months	Solid programming background (e.g. C++ or C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be supported.
74	Traffic Simulation in the 3D Internet	Calibration of a traffic simulator based on real-time driving behavior data collected in the virtual environment http://www.prendingerlab.net/globalab/ (project website) https://www.facebook.com/NIIGlobalLab (Facebook website) http://research.nii.ac.jp/~prendinger/ (personal website)	Professor Helmut Prendinger	Master and Ph.D. students		3-6 months	Solid programming background (e.g. C++ or C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be supported.
75	text mining	Text mining based on latent topics http://www.ldear.nii.ac.jp/~takasu/en/	Professor Atsuhiko Takasu	Master/Ph.D. students	2	3-6 months	
76	stream mining	data mining from large stream data http://www.ldear.nii.ac.jp/~takasu/en/	Professor Atsuhiko Takasu	Master/Ph.D. students		3-6 months	
4. Information and Society Research Division							
77	Information Public Policy	ICT-management and Public Policy Issues of E-Commerce, E-Money, and SNS Commerce	Assoc. Professor Hisashi Okada	Master / Ph.D. Student	1	2-3months	Those who are interested in the comparative statistical analysis between Japan and other countries are welcome.

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78	Information Retrieval	GLASE (Gaze-based Learning for Access and Search Engine) Project. The project developed an exploratory search user interface for image retrieval using eye-gaze of the users as input. Internship opportunity is available for (1) Developing new features for 1a) combining multiple-modes of input (Eye tracking and any other input mode), 1b) multiple indexing (metadata- and content-based), or 1c) "history" and "bookmark" functions, (2) Evaluating system 2a) with users, 2c) log analysis, or 2c) by building test-collections usable for test search effectiveness of the system and IR models behind, and evaluate them using the collection, or (3) new search user interface design proposal and tests	Professor Noriko Kando	Master / PhD	3	3-6 months	Recommendation letters from acadaic advisors are preferable. The prototype system was presented at SIGIR 2012 Poster. Garkavijs, Toshima, Kando. "Eyes Tell More than Mice"
79	Information Retrieval/NLP	Design and Impliment Graphical User Interface for UIMA-based Advanced Complex QA system and IR.	Professor Noriko Kando	Master / PhD	2	3-6 months	Recommendation letters from acadaic advisors are preferable.
80	Information Retrieval	Analysis of Client-side log analysis and concept maps written by users pre- and post search tasks. (the internship task is related to the CRES project, http://cres.jpn.org/?FrontPage)	Professor Noriko Kando	Master / PhD	2	3-6 months	Recommendation letters from acadaic advisors are preferable.
5. Collaborative Research Division							
81	Data Mining	Similarity Search and Intrinsic Dimensionality (http://typhoon.nii.ac.jp/~meh/internship/proj-simsearch.pdf)	Visiting Professor Michael Houle	Either		3-6 months	Priority given to PhD students, and for internships of 5-6 months.
82	Data Mining	Outlier Detection and Data Dimensionality (http://typhoon.nii.ac.jp/~meh/internship/proj-outlier.pdf)	Visiting Professor Michael Houle	Either		3-6 months	Priority given to PhD students, and for internships of 5-6 months.

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83	Data Mining	Distributed Data Clustering (http://typhoon.nii.ac.jp/~meh/internship/proj-pclust.pdf)	Visiting Professor Michael Houle	Either	6	3-6 months	Priority given to PhD students, and for internships of 5-6 months.
84	Data Mining	Dynamic Query-Result Clustering (http://typhoon.nii.ac.jp/~meh/internship/proj-qclust.pdf)	Visiting Professor Michael Houle	Either		3-6 months	Priority given to PhD students, and for internships of 5-6 months.
85	Data Mining	Unsupervised Feature Selection (http://typhoon.nii.ac.jp/~meh/internship/proj-features.pdf)	Visiting Professor Michael Houle	Either		3-6 months	Priority given to PhD students, and for internships of 5-6 months.
86	Data Mining	KNN Classification and Applications (http://typhoon.nii.ac.jp/~meh/internship/proj-classification.pdf)	Visiting Professor Michael Houle	Either		3-6 months	Priority given to PhD students, and for internships of 5-6 months.